



DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE Affiliated to JNTU Kakinada)

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		FACULTY PRPOFILE		
Name of the Faculty		Konduru Kranthi Kumar		
Designation		Asst.Professor		
Email & Phone No		Kk97976@gmail.com		
		9985372152		
Date of Joining		16-09-2021		
Nature of Association		Regular		
Department		Computer Science & Engineering		
Educational Background		B.Tech, M.Tech,(Ph.D.)		
Research Areas		IoT (Internet of Things), Network Security, AI		
Experience		9 years		
	S.No	Institute	Designation	Period
	1	Dhanekula Institute of Engineering & Technology/ CSE	Assistant Professor	16-09-2021 to Till Date
	2	Gudlalleru Engineering College, Gudlalleru. / IT	Assistant Professor	2020-June-15 2021-Sep-2021
	3	Kallam Haranadha Reddy Institute of Technology, Guntur Jntuk (Kakinada)/ CSE	Assistant Professor	2016-June To May 29-2020.
	4	NRI Institute of Technology, Guntur/ CSE	Assistant Professor	June, 2015 to April 2016
	5	Dr. Paul Raj Engineering college JNTU Hyderabad, Bhadrachalam/ CSE	Assistant Professor	June, 2014 to May 2015.
	6	Dr. Paul Raj Engineering college JNTU Hyderabad, Bhadrachalam/ CSE	Assistant Professor	May, 2012 to Nov 2012.



MEMBERSHIP IN PROFESSIONAL BODIES: ACM, IAENG, ISTE and ICSES.

AP SET: Qualified in 2019.

RESEARCH INTERESTS: Iot, Big Data, AI.

CERTIFICATIONS:

1. NPTEL Introduction to Internet of Things with Consolidated Score of **72%-Elite**
2. Google Digital Unlocked- (The Fundamentals of Digital Marketing).

NPTEL Problem Solving through programming in C with Consolidated Score of 70%-Elite

Citations:

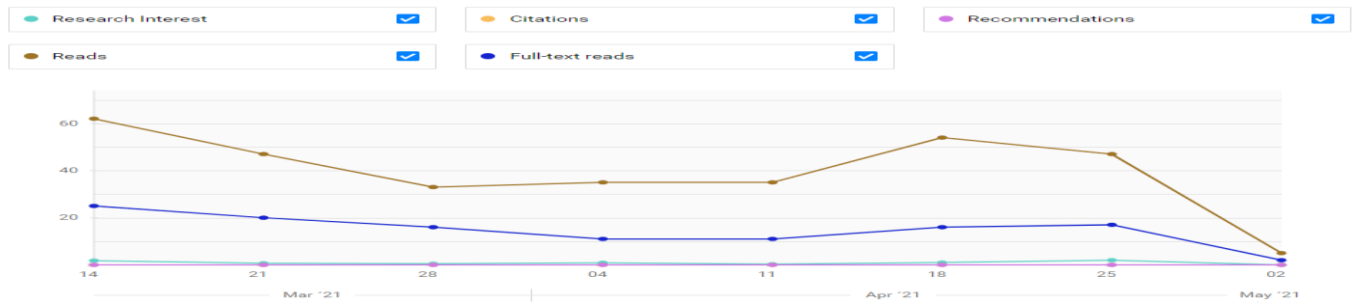
Google Scholar:

Cited by

	All	Since 2016
Citations	16	16
h-index	2	2
i10-index	0	0

Link: <https://scholar.google.com/citations?user=dLP27xwAAAAJ&hl=en>

Research Gate:



Scopus Indexing Link:

<https://www.scopus.com/authid/detail.uri?authorId=57198856243>

Patents: -02

1	<p>Title:</p> <p>Human detection and movement analysis from an unmanned Arial vehicle using deep learning techniques</p> <p>Application Number: 2021101833</p> <p>Link:</p> <p>http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?a=pplicationNo=2021101833</p>
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2	<p>Title:</p> <p>IoT Based Smart Dustbin</p> <p>Application Number: 2021103608</p> <p>Link: http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021103608</p>
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Total Journals & Conferences (33)

Journals (24)

(SCI-2 SCOPUS Indexed-13, Web of Science-10, UGC-06, UGC CARE LIST-03)

SCI Indexed-02

1	<p>Kumar, K.K., Ramaraj, E. & Geetha, P. Multi-sensor data fusion for an efficient object tracking in Internet of Things (IoT). <i>Appl Nanosci</i> (2021). https://doi.org/10.1007/s13204-021-02037-6 DOI:https://doi.org/10.1007/s13204-021-02037-6</p>
2	<p>Kumar, K.K., Srikanth, B., Kasiviswanadham, Y. et al. The importance of light-weight encryption cipher in restricted IoT systems to make intelligent technology safer for devices. <i>Appl Nanosci</i> (2021). https://doi.org/10.1007/s13204-021-01928-y Journal: Applied Nanoscience (Sci, Scopus, Springer)</p>

SCOPUS Indexed-13

1	<p>Ch, G., S., T., R., R., Sri Sai Satyanarayana, D., Srinivasulu, A. and K., K.K. (2021), "Association of vaccine medication for the efficacious COVID-19 treatment", <i>World Journal of Engineering</i>, Vol. ahead-of-print No. ahead-of-print. https://doi.org/10.1108/WJE-01-2021-0062</p>
2	<p>Kumar, K. K., Kasiviswanadham, Y., Indira, D. V. S. N. V., & Bhargavi, C. V. (2021). Criminal face identification system using deep learning algorithm multi-task cascade neural network (MTCNN). <i>Materials Today: Proceedings</i>. https://doi.org/10.1016/j.matpr.2021.06.373 Link:https://www.sciencedirect.com/science/article/pii/S2214785321047672</p>
3	<p>Chaduvula, K., Markapudi, B. R., & Jyothi, C. R. (2021). Design and Implementation of IoT based flood alert monitoring system using microcontroller 8051. <i>Materials Today: Proceedings</i>. https://doi.org/10.1016/j.matpr.2021.07.048 Link: https://www.sciencedirect.com/science/article/pii/S2214785321049002</p>
4	<p>Indira, D. N. V. S. L. S., Babu, C. S., Kumar, K. K., & Rao, C. V. (2021). A Comprehensive Review on Sentiment Analysis Techniques and Machine Learning Libraries in Image Processing. <i>Annals of the Romanian Society for Cell Biology</i>, pn:4260-4267.(Scopus Indexed) 2021: Volume 25: Issue 2 Link: http://annalsofrscb.ro/index.php/journal/article/view/1446</p>
5	<p>K. K. kumar, E. Ramaraj and D. N. V. S. L. S. Indira, "Data Fusion Method and Internet of Things (IoT) for Smart City Application," 2021 Third International Conference on Intelligent Communication Technologies and Virtual</p>

	Mobile Networks (ICICV), 2021, pp. 284-289, doi: 10.1109/ICICV50876.2021.9388532. (IEEE and Scopus Indexed) Link: https://ieeexplore.ieee.org/abstract/document/9388532/authors#authors
6	Kumar, B. Srinivas, S. G. Santhi, and K. Kranthi Kumar. "SAMS: Smart Agriculture Management System Using Emerging Technologies IoT, AI-A Study." IOP Conference Series: Materials Science and Engineering, Vol. 1074, No. 1. IOP Publishing, 2021. Link: https://iopscience.iop.org/article/10.1088/1757-899X/1074/1/012017/meta
7	K. Kranthi Kumar ¹ , M. Dileep Kumar ² , Ch. Samsonu ³ , K. Vamshi Krishna ⁴ "Role of Convolutional Neural Networks for Any Real Time Image Classification, Recognition and Analysis". Materials Today: Proceedings- Accepted for Publication. (Scopus Indexed) Link: https://www.sciencedirect.com/science/article/pii/S2214785321012682
8	K. Kranthi Kumar Kavitha Chaduvula Babu Rao Markapudi "A Detailed Survey On Feature Extraction Techniques In Image Processing For Medical Image Analysis" European Journal of Molecular & Clinical Medicine, 2020, Volume 7, Issue 10, Pages 2275-2284. (Scopus Indexed) Link: https://ejmcm.com/article_6946.html
9	K. Kranthi Kumar, E. Ramaraj, P. Geetha, B. Srikanth " A Study on Evolving Technologies for Covid-19 contact Tracking" Solid State Technology Journal, Issue Vol. 63 No. 5 (2020). (Scopus Indexed) Link: http://www.solidstatetechnology.us/index.php/JSST/article/view/5353
10	Mr.K. Kranthi Kumar and Dr. E. Ramaraj, "Iot Based Trash Collection Bin Using Arduino", Journal of Critical Reviews, ISSN- 2394-5125, Vol 7, Issue 4, 2020.DOI:10.31838/jcr.07.04.154. (Scopus Indexed) Link: http://www.jcreview.com/index.php?mno=96124
11	Mr.K. Kranthi Kumar and Dr. E. Ramaraj "Iot Waste Management and Alerting System with Arduino Uno", International Journal of Scientific & Technology Research (IJSTR) ISSN: 2277-8616, Volume-9, Issue-2, Feb 2020.- (Scopus Indexed) Link: http://www.ijstr.org/final-print/feb2020/Iot-Waste-Management-And-Alerting-System-With-Arduino-Uno.pdf
12	Mr.K. Kranthi Kumar and Dr. E. Ramaraj "An Efficient Data Stream Analytics Model for Real Time Internet of Things (Iot) Applications International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8, Issue-6, Mar 2020. DOI:10.35940/ijrte.F7359.018620 - (Scopus Indexed, Web of Science) Link: https://www.ijrte.org/wp-content/uploads/papers/v8i6/F7359038620.pdf
13	Mr.K. Kranthi Kumar "Smart Home using Internet of Things (IoT)", International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8, Issue-6S3, April 2019- (Scopus Indexed, Web of Science) Link: https://www.ijitee.org/wp-content/uploads/papers/v8i6s3/F10730486S319.pdf

UGC CARE LIST: (03)

1	[1] Mr.K. Kranthi Kumar, Dr. E. Ramaraj, "Data Fusion Confusion in Internet of Things (Iot)", Alochana Chakra Journal Volume IX, Issue VI, June/2020 ISSN NO:2231-3990, Volume IX, Issue VI, June/2020 Page No:1337
2	[2] Mr.K. Kranthi Kumar, " Vbsgs: Design of Voice Based Smart Garbage System for Detection and Segregation of Waste- An Iot Application", Tathapi (UGC Care Journal) ISSN:2320-0693 Vol-19-Issue-27-June-2020.
3	[3]Dr.B.Srikanth, Mr.K. Kranthi Kumar, " IOT BASED GSM&GPS ASSISTANCE DEVICE FOR BLIND PEOPLE USING ARDUINO", Alochana Chakra Journal, Volume IX, Issue VI, June/2020, ISSN NO:2231-3990, Page No:6385.

UGC RECOGNIZED: (06)

1	[1] Mr.K. Kranthi Kumar , Influence of Big Data, International Journal of Latest Engineering and Management Research (IJLEMR) ISSN: 2455-4847.
2	[2] Mr.B.S.N Reddy, Mr.K.Kranthi Kumar , A survey on Internet of Things (IOT), International Journal of Advances in Arts, Sciences and Engineering(ijoase),Volume 5 Issue 10 June 2017 2320-6144 (Online),2320-6136(Print).
3	[3] Mr.K. Kranthi Kumar ,” Some Studies on IoT via TCP/IP Network, international journal of science and innovative engineering & technology (ijsiet): ISBN 978-81-904760-9-6.
4	[4] Mr.M.Bhanu Kumar ,Mr.K.Kranthi Kumar ,” Enhancing Captcha based image Authentication for Email ID and Password”, International Journal of Computer Engineering In Research Trends(IJCERT), Volume 2, Issue 12, December-2015, pp. 1251-1256 ISSN (O): 2349-7084 .
5	[5] Mr.Chukka Samsonu1, Mr.K.Kranthi Kumar2 , “ELECTRONIC VOTING MACHINE WITH FINGER PRINT USING ARDUINO”, International Journal of Multidisciplinary Educational Research(IJMER), ISSN:2277-7881;IMPACTFACTOR:6.514(2020); IC VALUE:5.16; ISI VALUE:2.286 :VOLUME:9, ISSUE:5(4), MAY:2020.
6	[6] Mr.K. Kranthi Kumar “Design And Implementation Of Water Quality Checking System Using Arduino In Iot ”, EPRA International Journal of Research and Development (IJRD) ISSN: 2455-7838(Online), Volume-5, Issue-5, May 2020, Article DOI: https://doi.org/10.36713/epra3541 - (Web of Science)

International/National Conferences (09) (Scopus Indexed-03, Web of Science-1)

1	B. Srinivas Kumar1, S.G. Santhi2, K. Kranthi Kumar3 ” SAMS: Smart Agriculture Management System Using Emerging Technologies IoT, AI -A Study- International Conference on Computer Vision, High Performance Computing, Smart Devices and Networks (CHSN-2020) 28-29 December, 2020- SCOPUS INDEXED
2	K. Kranthi kumar1, E. Ramaraj2, D.N.V.S.L.S. Indira3 ”Data Fusion Method and Internet of Things (IoT) for Smart City Application”- 3rd International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV 2021)04-06, February 2021- IEEE SCOPUS INDEXED
3	Mr.K. Kranthi Kumar , presented paper on “Iot Based Trash Collection Bin Using Arduino”, ICTIDS 2019: International Conference on Technology Innovation and Data Sciences Armada (Hotel) Petaling Jaya, Malaysia, October 11-12, 2019.- SCOPUS INDEXED
4	Mr.K. Kranthi Kumar , presented paper on “Iot Waste Management and Alerting System with Arduino Uno”, ICCS 2019: International Conference on Computational Sciences, Organized by Department of Computer Science, Alagappa University, Karaikudi during October 23-24, 2019.- SCOPUS INDEXED
5	Mr.K. Kranthi Kumar , presented paper on “Smart Home using Internet of Things (IoT)” at VVIT Guntur. - (Scopus Indexed, Web of Science)
6	Mr.B.S. N Reddy, Mr.K. Kranthi Kumar “A survey on Internet of Things (IOT)”, An International Conference on recent innovations in technology engineering and management (ICRITEAM-2K17), 2 nd June -2017.
7	Mr.K. Kranthi Kumar , “Presented paper on “Smart Home using Internet of Things (IoT)”, An International Conference on recent trends in automation, ICRTA, On 15 th and 16 th November 2018.
8	Mr.K. Kranthi Kumar , “Presented paper on “Some Studies on IoT via TCP/IP Network”, An International Conference on Contemporary Engineering and Technology, ICCET, 31st March- 1st April 2017.

National: 01

1	Mr.K. Kranthi Kumar “Presented Paper on “Creating a Smart Home Using Internet of Things (IOT)”, National Conference on recent National Conference on Recent advances in Computer Science and Engineering 2018.
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SHORT TERM TRAINING PROGRAMMES/WORKSHOPS/SEMINARS/FDPS: 31**TWO/ONE WEEK FDP PROPGRAMS: 08**

1	Successfully completed 12Weeks NPTEL FDP ON INTRODUCTION TO INTERNET OF THINGS
2	Successfully completed Two Weeks FDP ON TECHNOLOGY ADOPTION AND IMPLEMENTATION TOWARDS SAMRT SOCIETY organized By IT Department From 4 th -16 th Nov 2019 Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada.
3	Successfully completed six days FDP ON MULTICORE ARCHITECTURE AND PROGRAMMING organized By CSE Department From 26-31 Aug 2019 At RVR &JC College of Engineering Guntur.
4	Successfully completed six days UNDER THE SCHEMA OF ELECTRONICS &ICT ACADEMY SPONSORED FDP organized by NIT WARANGAL at Kallam Haranadhreddy Institute of Technology on “Machine Learning “from November, 12-17, 2018.
5	Participated in 5 Day Faculty Development Program on SALES FORCE CLOUD TRAILHEAD PROGRAM Conducted by ICT Academy on 22 Dec 2017 TO 26 Dec 2017 held at Kallam Haranadha Reddy Institute of Technology
6	Successfully completed 60 hours of professional development for the Java Fundamentals and Programming by Oracle Academy on 11 August 2017 at VVIT GUNTUR.
7	Successfully completed six days UNDER THE SCHEMA OF ELECTRONICS &ICT ACADEMY SPONSORED FDP organized by NIT WARANGAL at RVR &JC College of Engineering Autonomous on “Business Analytics “from March, 11-16, 2017.
8	Successfully completed one-week Short Term Course on “Robot Design” during 15-19 July 2012 at Vijaya Engineering College, Khammam.

THREE/TWO DAY FDP: 07

1	Successfully completed three days DST SPONSORED workshop organized by Acharya Nagarjuna University Guntur on “BIG DATA “from January, 29-31, 2017.
2	Successfully completed two days’ workshop organized by NRI Institute of technology JNT University Kakinada on “Project Expo “on December 2016 at NRI Institute of technology JNT University Kakinada
3	Successfully completed two days’ workshop organized by Dr.Paul Raj Engineering College JNT University on “Android Phone “on 28th Sep 2013 at Dr.Paul Raj Engineering College JNT University
4	Successfully completed two days’ workshop organized by Dr.Paul Raj Engineering College JNT University on “Cloud Computing” on 15th Oct 2012 at Dr.Paul Raj Engineering College JNT University.
5	Attended a Two-Day Faculty Development Program on “INTERNET OF THINGS” Organized by Department of CSE from 06-12-2018 TO 7-12-2018 at ST. MARY’S Group of Institutes, Guntur.
6	Attended a Two-Day Faculty Development Program on “DATA SCIENCE & ITS APPLICATIONS” Organized by Department of Information Technology from 28-9-2018-29-9-2018 at P.V.P Siddhartha Institute of technology, kanuru, Vijayawada.
7	Successfully Participated three days A National webinar Intellectual property rights and patents a view from 10-12 August organized by IQAC cell Gudlavalleru Engineering College, Gudlavalleru.

INTERNATIONAL/NATIONAL TECHNICAL SYMPOSIUMS ATTENDED: 03

1. Attended National Level Technical Symposium: “**ECSA-2KX**” during 08-09 Oct, 2010 at Sree Kavitha Engineering College, Khammam.
2. Attended National Level Technical Symposium: “**Winuthna-2KX**” during 10-11 April, 2010 at Bomma Institute of Technology and Science, Khammam.
3. Attended National Level Technical Symposium: “**TechRecZen'10**” during 20-21 August, 2010 at Ramappa Engineering College, Hunter Road, at Warangal

ONE WEEK ONLINE FACULTY DEVELOPMENT PROGRAMME: 13

1	participated in the Five Day FDP on “ IPR Awareness and Patent Prosecution ” Organized by the Department of Information Technology,CMR Engineering College,Hyderabad from 06.05.2020 to 10.05.2020 .
2	successfully completed an Online Faculty Awareness Program on “ Outcome Based Education & NBA Accreditation ” Organized by Department of Mechanical Engineering of Rajgad Dnyanpeeth’s Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Pune-412206 during the period of 12/05/2020 to 17/05/2020.
3	Successfully completed one week Faculty Development Programme on Latex & Technical Report Writing , 25-30 May,2020 Organized by Department of Mathematics, Kakatiya University Warangal,Telangana in Association with Spoken Tutorial, IIT Bombay .
4	Successfully completed one-week Faculty Development Programme on PHP & MYSQL from 18-23 May,2020 Organized by Department of Computer Science and Engineering, JNTUH college of Engineering Jagtial, Telangana in Association with Spoken Tutorial, IIT Bombay .
5	Successfully completed one-week AICTE Sponsored Faculty Development Programme on Blockchain Architecture Design and Use Cases from 24-29 August,2020 Organized by Department of Electronics and Communication Engineering, Gudlavalleru Engineering College, Gudlavalleru.
6	Successfully completed one-week AICTE Sponsored Faculty Development Programme on Blockchain Architecture Design and Use Cases from 17-22 August,2020 Organized by Department of Electronics and Communication Engineering, Gudlavalleru Engineering College, Gudlavalleru.
7	Successfully completed one-week AICTE Sponsored Faculty Development Programme on Blockchain Architecture Design and Use Cases from 10-15 August,2020 Organized by Department of Electronics and Communication Engineering, Gudlavalleru Engineering College, Gudlavalleru.
8	Successfully completed 8 days Faculty Development Programme on Hospital Management from 27 July to 3rd August,2020 Jointly Organized by Department of Computer Science and Engineering, Information Technology ST JOSEPH INSTITUTE OF TECHNOLOGY CHENNAI.
9	Successfully completed one-week Faculty Development Programme on Cyber Security from 22-26 July,2020 Jointly Organized by Department of Computer Science and Engineering, Information Technology Gudlavalleru Engineering College, Gudlavalleru.
10	Successfully completed one-week Faculty Development Programme on Cyber Security from 22-26 July,2020 Jointly Organized by Department of Computer Science and Engineering, Information Technology Gudlavalleru Engineering College, Gudlavalleru.
11	Actively Participated One Week Online Workshop on Blended E-Learning from 6-10 July 2020, Organized by JNTUK College of Engineering Vizianagaram in Association with CSI.
12	Successfully completed one-week online Faculty Development Programme on Research Funded project Writing from 3-7 August,2020 Organized by Department of Computer Science and Engineering, S.R.K.R Engineering College.
13	Successfully completed one-week AICTE sponsored online Faculty Development Programme on Internet of Things from 24-29 August,2020 Organized by Department of Computer Science and Engineering, B. S. Abdur Rahman Crescent Institute of Science and Technology.

TUTORIAL COURSES:

1	Successfully completed java tutorial course on 03 May 20
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